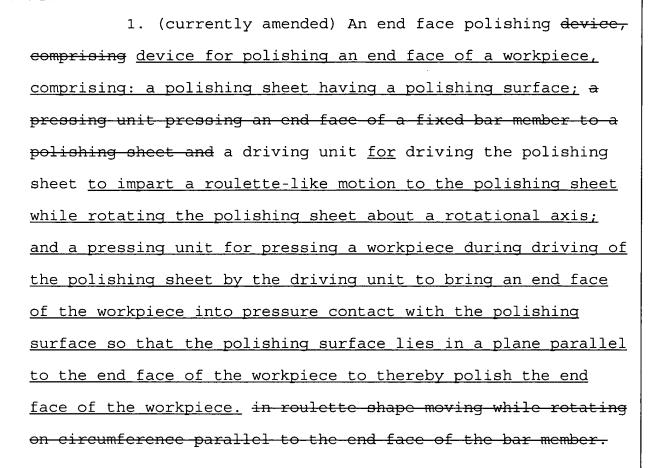
IN THE CLAIMS:



2. (currently amended) An end face polishing device comprising: device, having a rotating shaft eccentric from revolution center of a first revolution shaft mounted for undergoing revolving movement about a first axis; a rotational shaft mounted for undergoing rotation about a second axis eccentric from the first axis; a in the revolution shaft, a second revolution shaft mounted for undergoing revolving movement about a third axis eccentric from the second axis; and rotating center of the rotating shaft in the rotating



shaft, and a polishing disc connected to the second revolution shaft for revolving movement therewith.

- 3. (currently amended) An end face polishing device according to claim 2; further comprising a frame for connecting an elastic body to a surface of the polishing disc; and wherein Claim 2, wherein the second revolution shaft has an internal gear fixed at connected to the a frame, a of the end face polishing device, a first transfer gear engaging with the internal gear, a rotating shaft rotational member having a second transfer gear disposed opposite to at opposite end portion of the end portion of the first transfer gear, and an external gear engaging with the second transfer gear.
- 4. (currently amended) An end face polishing device according to Claim 3, wherein claim 3; wherein the first revolution shaft is connected to a motor through a <u>first</u> timing belt.
- 5. (currently amended) An end face polishing device according to Claim 4, wherein claim 4; wherein the rotational rotating shaft is connected to the motor through a second another timing belt.
- 6. (currently amended) An end face polishing device according to Claim 2, having claim 2; further comprising an ultrasonic actuator contacting an external circumference

portion of the first revolution shaft for rotationally driving the rotational and rotating the rotating shaft.

7. (currently amended) A method for polishing an end face of a workpiece, comprising the steps of: providing a polishing sheet having a polishing surface; driving the polishing sheet to impart a roulette-like motion to the polishing sheet while rotating the polishing sheet about a rotational axis; and pressing an end face of a fixed bar member to a polishing sheet and driving the polishing sheet in roulette shape moving while rotating on circumference parallel to the end face of the bar member. a workpiece during driving of the polishing sheet to bring an end face of the workpiece into pressure contact with the polishing surface so that the polishing surface lies in a plane parallel to the end face of the workpiece to thereby polish the end face of the workpiece.

- 8. (currently amended) A method according to claim 7; wherein the routlette-like motion comprises a motion generally in the form of a for polishing an end face according to Claim 7, wherein the roulette is cycloid.
- 9. (currently amended) A method according to claim 7; wherein the roulette-like motion comprises a motion generally in the form of an for polishing an end face according to Claim 7, wherein the roulette is internal cycloid.

- 10. (currently amended) A method <u>according to claim</u>
 7; wherein the roulette-like motion comprises a motion

 generally in the form of an for polishing an end face

 according to Claim 7, wherein the roulette is external cycloid.
- 11. (currently amended) A method according to claim 7; wherein the roulette-like motion comprises a motion generally in the form of a trochoid for polishing an end face according to Claim 7, wherein the roulette is relative trocoid inscribed to in a first circle and drawn by a point fixed at on a second circle smaller in diameter than the first circle.
- 12. (currently amended) A method according to claim 7; wherein the roulette-like motion comprises a motion generally in the form of an internal trochoid for polishing an end face according to Claim 7, wherein the roulette is relative trocoid inscribed to in a first circle and drawn by a point fixed in a second circle smaller in diameter than the first circle.
- 7; wherein the roulette-like motion comprises a motion

 generally in the form of an external trochoid for polishing an end face according to Claim 7; wherein the roulette is relative trocoid inscribed to in a first circle and drawn by a point fixed outside of a out of the second circle smaller in diameter than the first circle.

14. (currently amended) A method <u>according to claim</u>
7; wherein driving step includes the step of driving the

polishing sheet using an for polishing an end face, wherein

the driving is performed by a XY movement table.



15. (currently amended) A method <u>according to claim</u>
7; wherein the driving step includes the step of driving the
polishing sheet with a variable for polishing an end face
according to Claim 7, wherein the driving speed is variable.